

## Age, Body Mass, Needle Length, and Site

Newborns, Infants, Toddlers, and Children (Through 10 Years)		
Age	Needle Length	Injection Site
Newborn* (Premature or Term)	5/8" (16mm)	Anterolateral Thigh
Infant 1-12 months	7/8" - 1" (22-25mm)	Anterolateral Thigh
Child or Toddler 1-10 years	7/8" - 1 1/4" (22-32mm)	Deltoid Muscle of the Arm
	1 - 1 1/4" (25-32mm)	Anterolateral Thigh
Pre-Adolescents, Adolescents, and Adults (11 Years and Older)		
Sex/Weight	Needle Length (minimum)	Injection Site
Female ≤ 90 kg (200 lbs)	1" (25mm)	Deltoid Muscle of the Arm
Male ≤118 kg (260 lbs)		
Female > 90 kg (200 lbs)	1½" (38mm)	
Male >118 kg (260 lbs)		

\*Newborn = First 28 days of life

Adapted from AAP Red Book, Poland G, JAMA, 1977, and 2002 ACIP General Recommendations